

Co-Extrusion Heating Hoses for Plastics Industry

HT700 Co-extrusion heating hoses are produced to transfer melted plastic and thermoplastic materials from co-extruder to mold at defined temperatures.

HT700 Co-extrusion heating hoses are produced from high temperature and pressure resistant T3 PTFE hoses;

- Provides flexible connection between the co-extruder and mold,
- Simplifies mold changes and maintenance,
- Minimizes the thermal expansion and vibration occurred from heating,
- Guarantees operational efficiency under proper installation, maintenance and normal operating conditions.

Operating temperature	250 °C
Voltage	230 V AC/DC 50/60 Hz
Rated power	DN8 140 W/m DN10 160 W/m DN12 200 W/m DN16 260 W/m DN20 330 W/m
Pressure hose	T3 PTFE
Fittings	Carbon – Stainless steel
Thermal insulation	Silicon foam
End cap	Hard cap
External jacket	Polyamide braid black
Power cable	Standard 2 x 1.5 m
Temperature sensor	Fe-CuNi (J) , PT100 , NiCr-Ni (K)
Temperature limits	+5 / -10
Protection type	IP54
Approvals	CE



DN	Interior diameter of the fittings	BDN-M Metric	BDN	Working pressure at 20 °C	Working pressure at 250 °C
8	6 mm	16x1.5	G 3/8"	475 bar	285 bar
10	7 mm	18x1.5	G 1/2"	475 bar	285 bar
12	10 mm	22x1.5	G 1/2"	450 bar	270 bar
16	12,5 mm	26x1.5	3/4"	400 bar	240 bar
20	16 mm	30x2	1"	300 bar	180 bar

T3 Type pressure hose working temperature limit -70 +250 °C

Other lengths and sizes on request

DN	Working pressure	Bursting pressure	Bending radius
8	475 bar	1900 bar	85 mm
10	475 bar	1900 bar	110 mm
12	450 bar	1800 bar	150 mm
16	400 bar	1600 bar	175 mm
20	300 bar	1200 bar	200 mm



BDN type fitting

Temperature – Correction Factor

20 °C	100 °C	150 °C	200 °C	250 °C
1,00	0,95	0,90	0,83	0,60

T3 PTFE DN16 WP 400 bar at 20 °C
400 bar x 0,83 = 332 bar WP at 200 °C